

LABORATORY REPORT

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SUBJECT: Particle Identification

SPECIMEN: Four Sets of Tapelifts

REFERENCE: JFK Library

INTRODUCTION

Four sets of three tapelifts were received for analysis. The tapelifts were marked as follows:

| | |
|-------------|--|
| JFK121324KK | 1A- 2 nd Open Ledge |
| | 1B- 2 nd Open Ledge |
| | 1C -2 nd Open Ledge |
| JFK121324KK | 2A- On top of TH Fridge |
| | 2B- On top of TH Fridge |
| | 2C- On top of TH Fridge |
| JFK121324KK | 3A- On Top of Freestanding Bookshelf |
| | 3B- On Top of Freestanding Bookshelf |
| | 3C- On Top of Freestanding Bookshelf |
| JFK121324KK | 4A- On Top of Wall Bookshelf Top Ridge |
| | 4B- On Top of Wall Bookshelf Top Ridge |
| | 4C- On Top of Wall Bookshelf Top Ridge |

RESULTS

The tapelift samples contained clothing fiber, tire wear, skin flakes, paper fiber, natural minerals, plant fragments, cosmetics, hair, humus, metal flake, spores, starch, ink, glass fiber, feather barbules, glass fiber, silica phytoliths, and pet dander.

All twelve samples contained glass fiber at a level associated with health complaints. Thirteen or more glass fibers shorter than 500um per square inch are associated with health complaints. Samples taken from the top of freestanding bookshelf and the top of wall bookshelf top ridge had elevated levels of glass fibers longer than 500um. 3 or more glass fibers longer than 500um per square inch are associated with health complaints.

The majority of the glass fibers in these samples are consistent with fibers found in acoustic ceiling tile.

| Sample | Location | <500um Glass Fiber | >500um Glass Fiber |
|----------------|---------------------------------|--------------------|--------------------|
| JFK121324KK 1A | Open Ledge | 21 | 2 |
| JFK121324KK 1B | Open Ledge | 23 | 1 |
| JFK121324KK 1C | Open Ledge | 33 | 0 |
| JFK121324KK 2A | On Top of TH Fridge | 30 | 2 |
| JFK121324KK 2B | On Top of TH Fridge | 34 | 0 |
| JFK121324KK 2C | On Top of TH Fridge | 27 | 1 |
| JFK121324KK 3A | Top of Freestanding Bookshelf | 28 | 3 |
| JFK121324KK 3B | Top of Freestanding Bookshelf | 25 | 2 |
| JFK121324KK 3C | Top of Freestanding Bookshelf | 29 | 0 |
| JFK121324KK 4A | Top of Wall Bookshelf Top Ridge | 102 | 9 |
| JFK121324KK 4B | Top of Wall Bookshelf Top Ridge | 80 | 7 |
| JFK121324KK 4C | Top of Wall Bookshelf Top Ridge | 55 | 3 |

CONCLUSION

All twelve tapelift samples had short glass fiber counts at levels associated with health complaints. Four samples contained glass fibers, longer than 500um, at levels associated with health complaints. Thirteen or more glass fibers shorter than 500um per square inch and three or more glass fibers shorter than 500um per square inch have been associated with health complaints. The majority of the glass fibers in these samples are consistent with fibers found in acoustic ceiling tile.

Thank you for this opportunity to be of service. If I can provide any further assistance, please contact me.

Signed: Heidie Crutcher
 Heidie Crutcher, Analyst

Signed: ERC
 E. R. Crutcher, Consultant

209-24

CHAIN OF CUSTODY RECORD

Microlab Northwest

MLNW LOG

Phone: 509-359-6455 FAX:

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PO#: _____ Job Reference: _____

Job Reference: JFK Library

PRIORITY: 24 hour One Week
(CIRCLE ONE)

| SAMPLE ID | DESCRIPTION | ANALYSIS REQUESTED | Collected | |
|--|--|--------------------|-----------|--|
| | | | Date | Time |
| JFK121324KK01A ↓ O1B ↓ O1C | 2nd open ledge ↓ On top of TH Fridge | Particle Analysis | 12/13/24 | 08:55 ↓ 09:20 ↓ 09:35 ↓ 09:50 ↓ |
| JFK121324KK02A ↓ O2B ↓ O2C | On top of freestanding bookshelf | | | |
| JFK121324KK03A ↓ O3B ↓ O3C | On top of wall bookshelf top ridge | | | |
| JFK121324KK04A ↓ O4B ↓ O4C | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Relinquished By: Kathy Bays Date: 12/13/24 12:05 PM

Received By:

Relinquished By: Crutcher Date: 12-16-24

Received By: